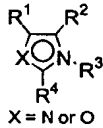
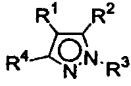
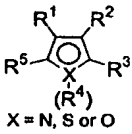




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<b>(51) International Patent Classification <sup>7</sup> :</b> <b>A61K 31/42, 31/497, 31/4172, 31/4412, C07D 213/02, 233/60, 401/04, 405/04, 413/04</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/33836</b>  <b>(43) International Publication Date:</b> 15 June 2000 (15.06.00)
<b>(21) International Application Number:</b> PCT/US99/28692  <b>(22) International Filing Date:</b> 3 December 1999 (03.12.99)  <b>(30) Priority Data:</b> 60/111,025      4 December 1998 (04.12.98)      US 60/111,026      4 December 1998 (04.12.98)      US  <b>(71) Applicant:</b> ONTOGEN CORPORATION [US/US]; 6451 El Camino Real, Carlsbad, CA 92009 (US).  <b>(72) Inventors:</b> SLEE, Deborah, Helen; 2258 Montgomery Avenue, Cardiff by the Sea, CA 92007 (US). CHENG, Jei-Fei; 7781 Paseo La Jolla, Carlsbad, CA 92009 (US). JONES, Todd, Kevin; 546 Marview Drive, Solana Beach, CA 92075 (US). MJALLI, Adnan, M., M.; 2902 Ellington Court, Jamestown, NC 27282 (US). NGUYEN, Truc, Ngoc; Apt. 182, 1651 Live Oak Road, Vista, CA 92083 (US). RAHEJA, Raj, Kumar; 902 Poppy Lane, Carlsbad, CA 92009 (US). RIPKA, William, Charles; 10819 Red Rock Drive, San Diego, CA 92131 (US). YU, Jinghua; 920 Sycamore Avenue #43, Vista, CA 92083 (US).  <b>(74) Agent:</b> CHOW, Frank, S.; Ontogen Corporation, 6451 El Camino Real, Carlsbad, CA 92009 (US).		<b>(81) Designated States:</b> AU, CA, JP (Utility model), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> 5-MEMBERED HETEROCYCLES FOR THE TREATMENT OF HUMAN DISEASES INVOLVING MODULATORS OF SELECTINS  <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>( 1 )</p> </div> <div style="text-align: center;">  <p>( 2 )</p> </div> <div style="text-align: center;">  <p>( 3 )</p> </div> </div> <p><b>(57) Abstract</b></p> <p>Compounds of formulas (1), (2) and (3) are disclosed, where at least one and no more than two of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> or R<sup>5</sup> are as defined in Group 1. In said formulas R<sup>1</sup> is typically a moiety containing a terminal carboxylic acid group such as phenoxy acetic acid, R<sup>2</sup> is typically a hydrophobic moiety such as functionalized alkyl chain or a functionalized aryl group, and R<sup>3</sup> is typically a functionalized aryl group, and they are within the scope of this invention. These compounds exhibit inhibitory activity against the Selectins and are indicated in the treatment of human diseases involving Selectins.</p>		























































































































































































































































































































































































































































































































































































































































































































